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		Application Number	10/697,133
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		First Named Inventor	Philipp
		Art Unit	
		Examiner Name	
Total Number of Pages in This Submission	12	Attorney Docket Number	PST

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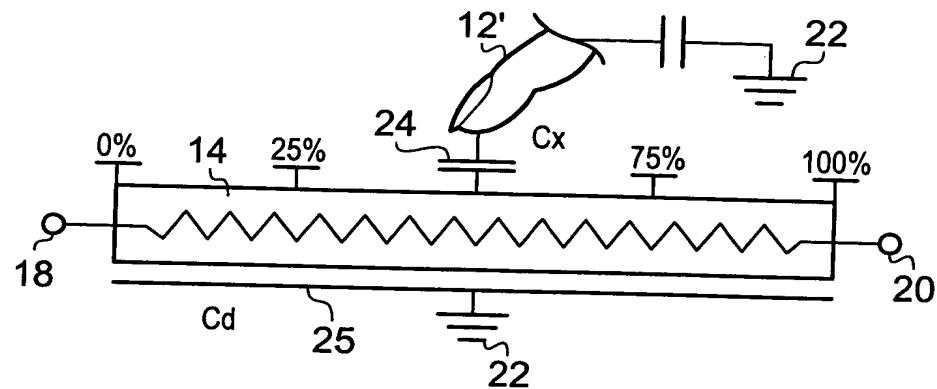


Fig. 1

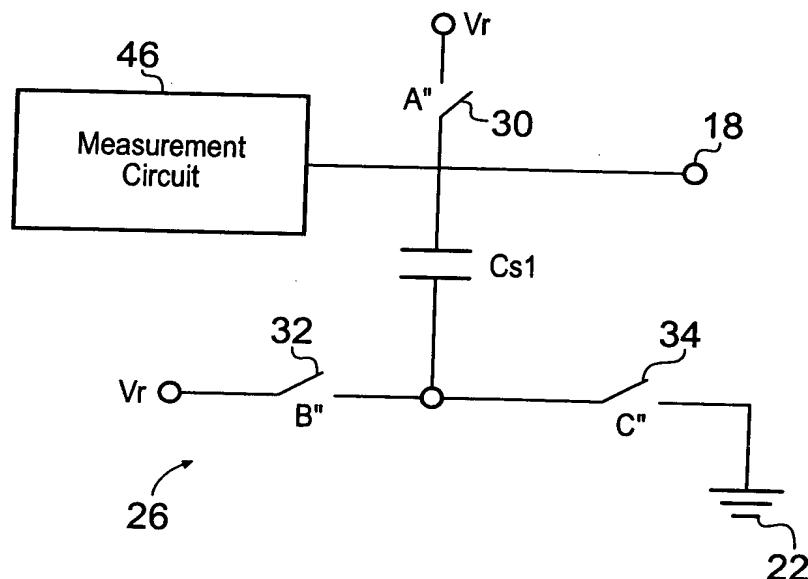


Fig. 2c

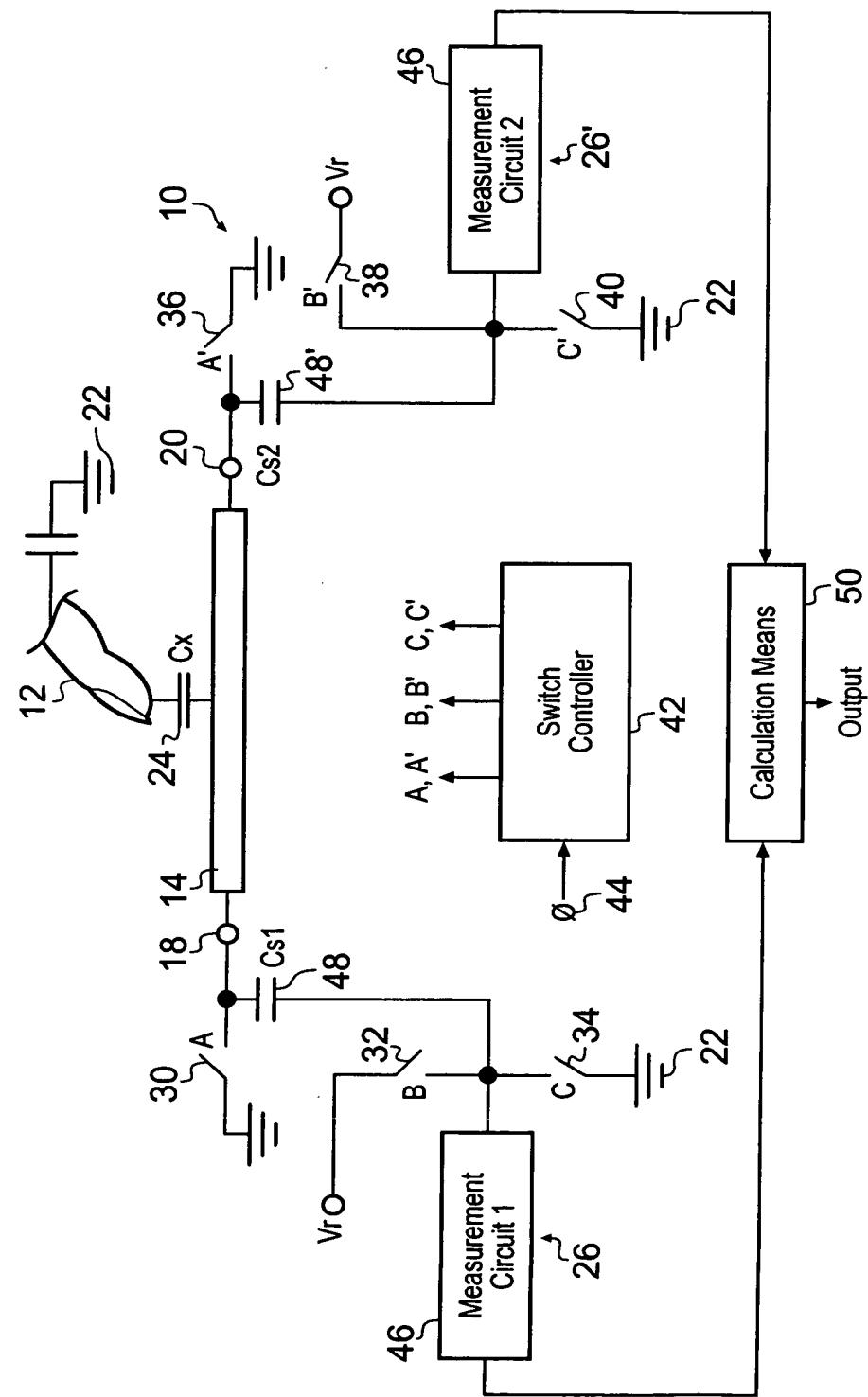


Fig. 2a

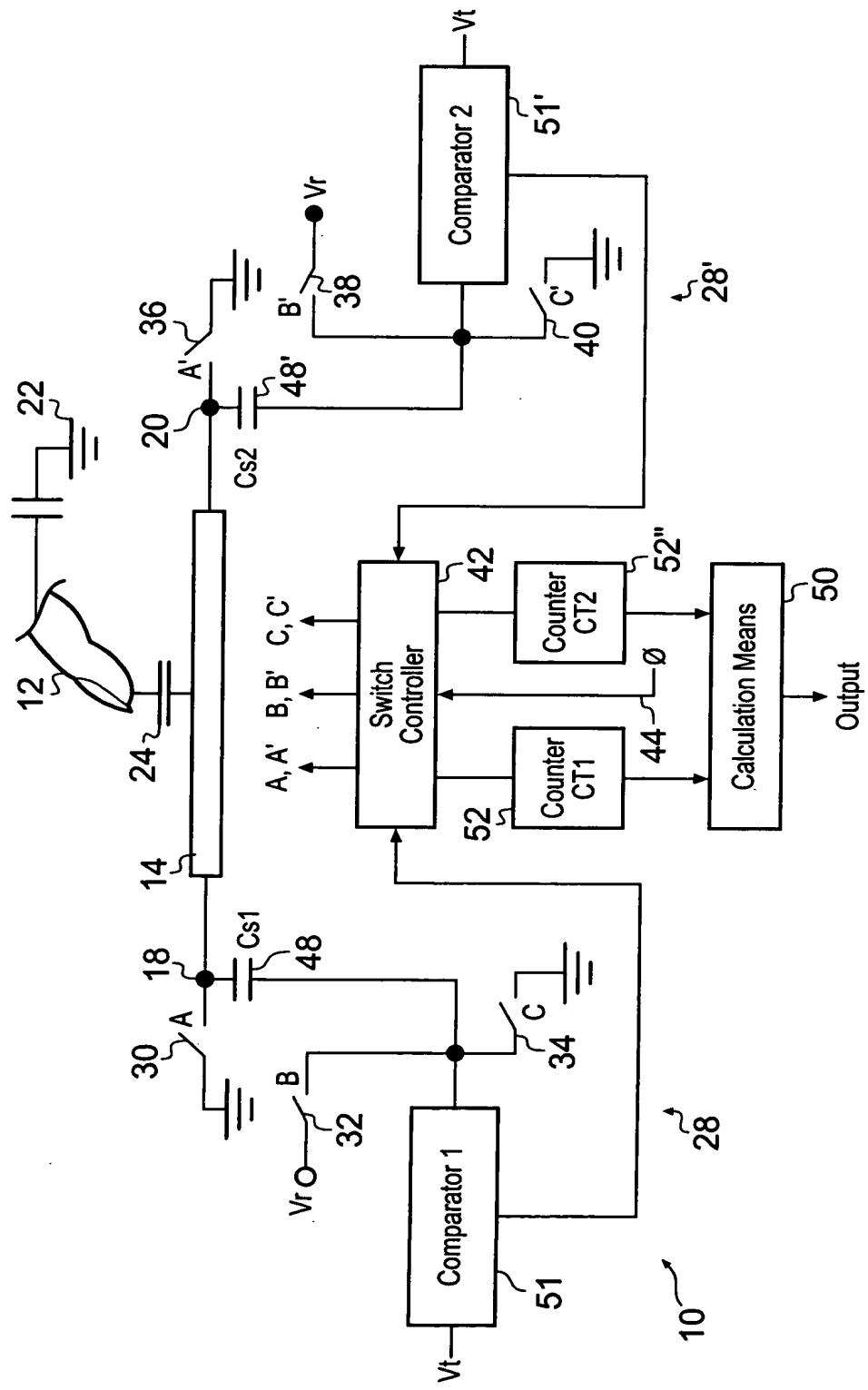


Fig. 2b

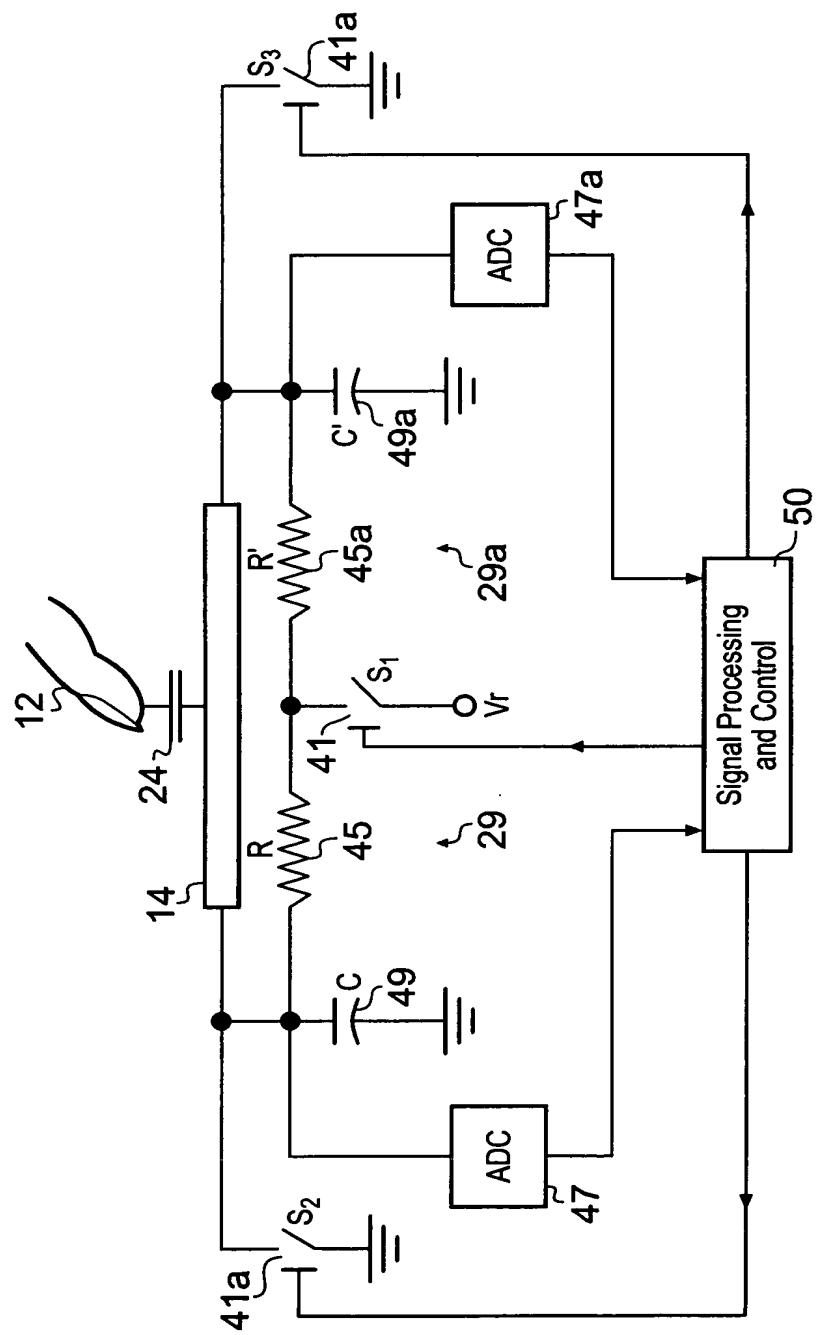


Fig. 2d

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## Switching Sequence of A, A', B, B', C, C' for Figure 2A

- 1 Close A, A', C, C' (reset Cs1, Cs2)
- 2 Float all switches
- 3 Close B, B' (charge Cs1, Cs2)
- 4 Float all switches
- 5 Close A, A' (clamp strip to ground)
- 6 Measure 1, 2
- 7 goto step 1 (if desired)

**Fig. 3A**

## Switching Sequence of A, A', B, B', C, C' for Figure 2B

- 1 Reset Counters CT1, CT2
- 2 Close A, A', C, C' (reset Cs1, Cs2)
- 3 Float all switches
- 4 Close B, B' (charge Cs1, Cs2)
- 5 Float all switches
- 6 Close A, A' (clamp strip to ground)
- 7 If ( $VCs1 < Vt$ ) then increment CT1;  
If ( $VCs2 < Vt$ ) then increment CT2
- 8 If ( $(VCs1 < Vt) \text{ or } (VCs2 < Vt)$ ) then goto step 3
- 9 Float all switches
- 10 goto step 1 to repeat (if desired)

**Fig. 3B**

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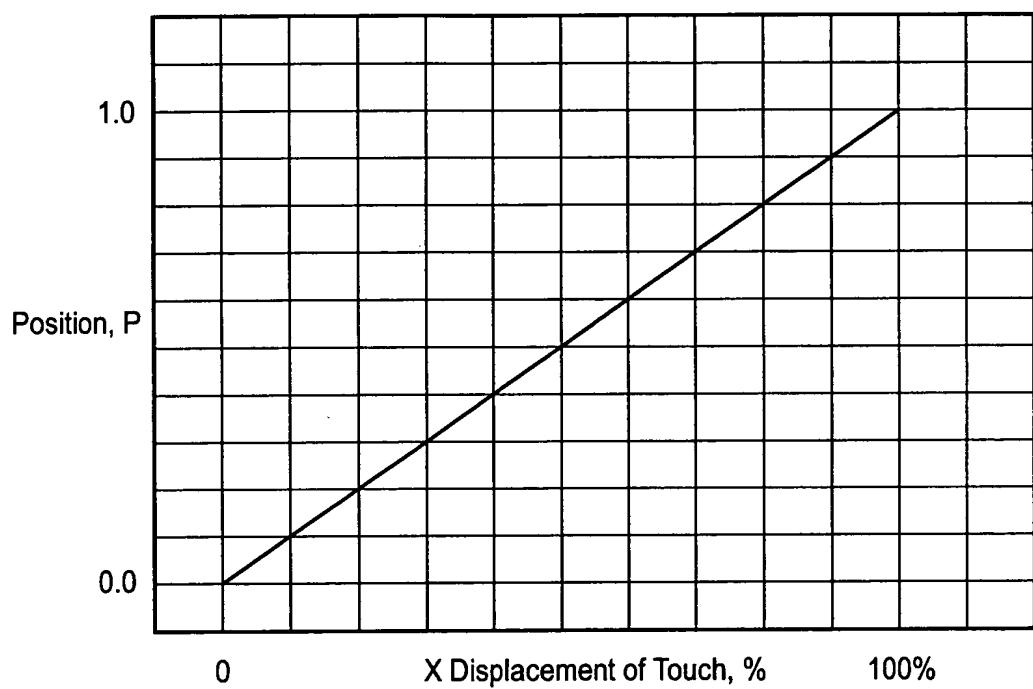
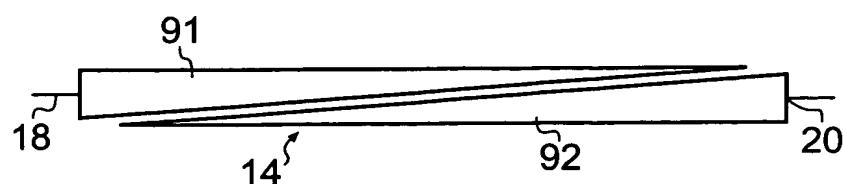
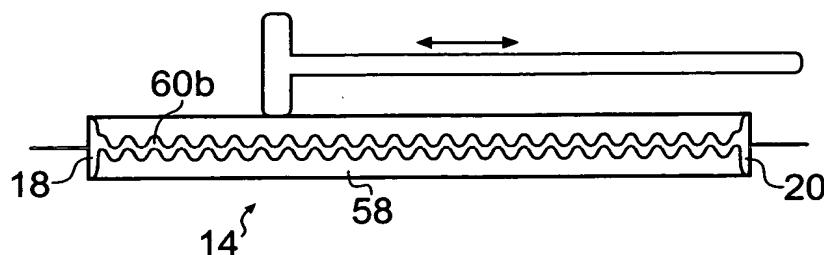
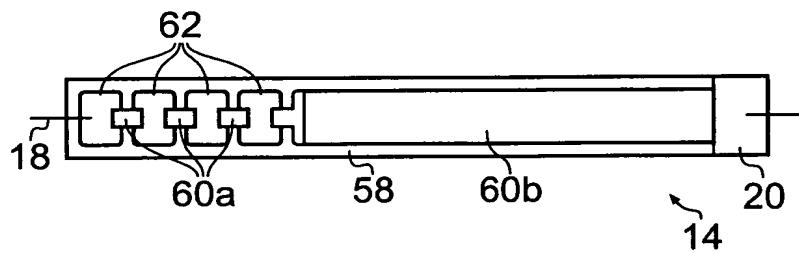
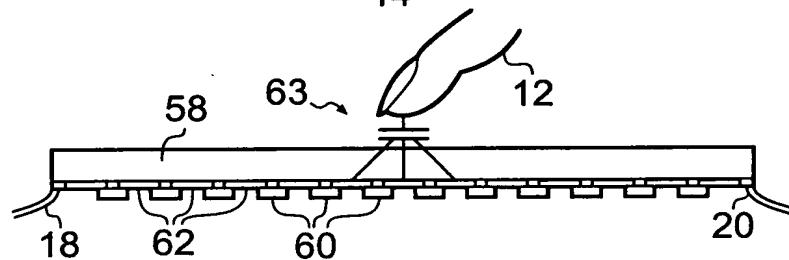
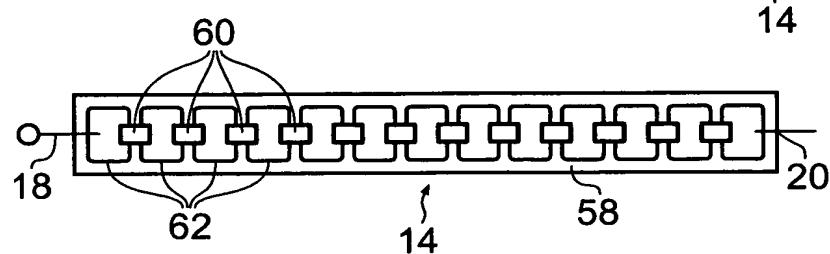
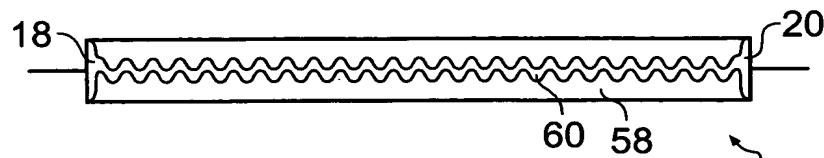


Fig. 4

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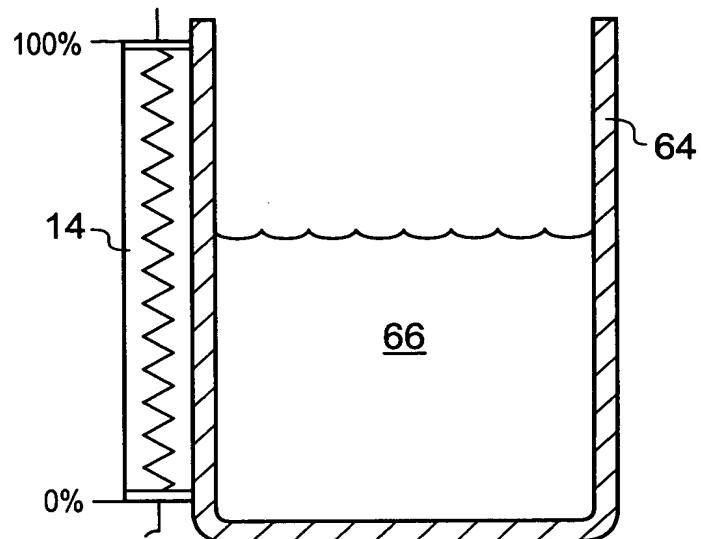


Fig. 8a

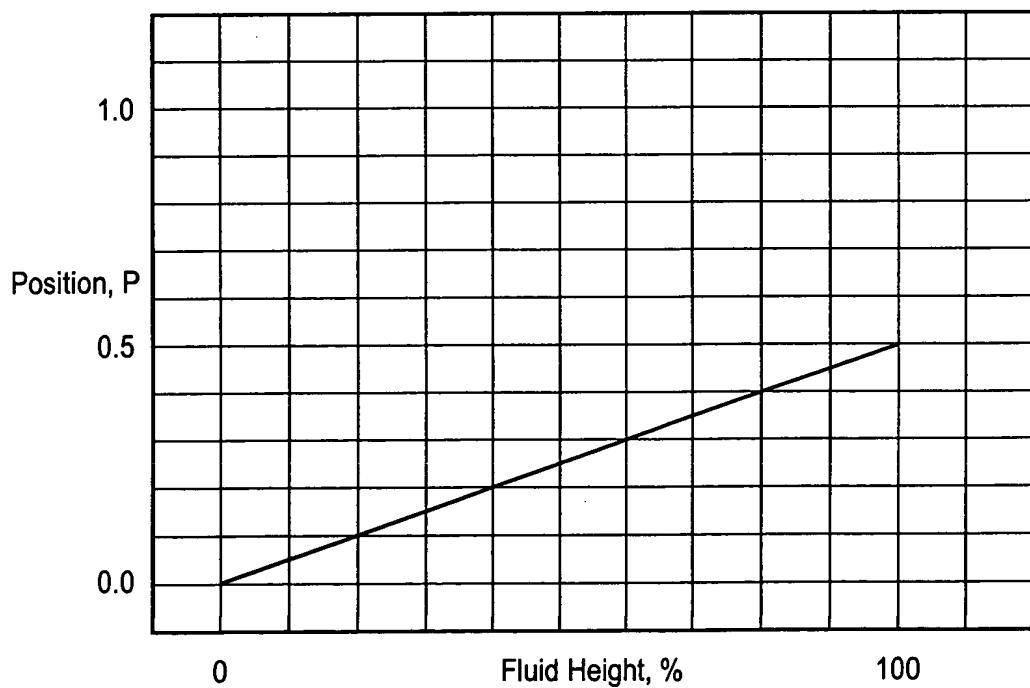


Fig. 8b

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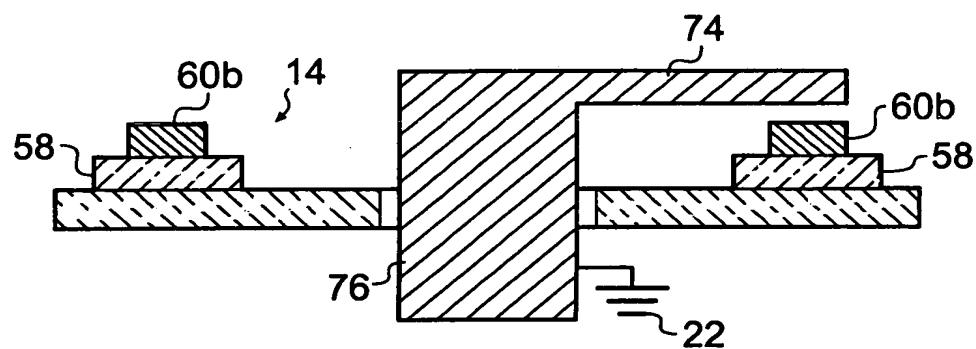
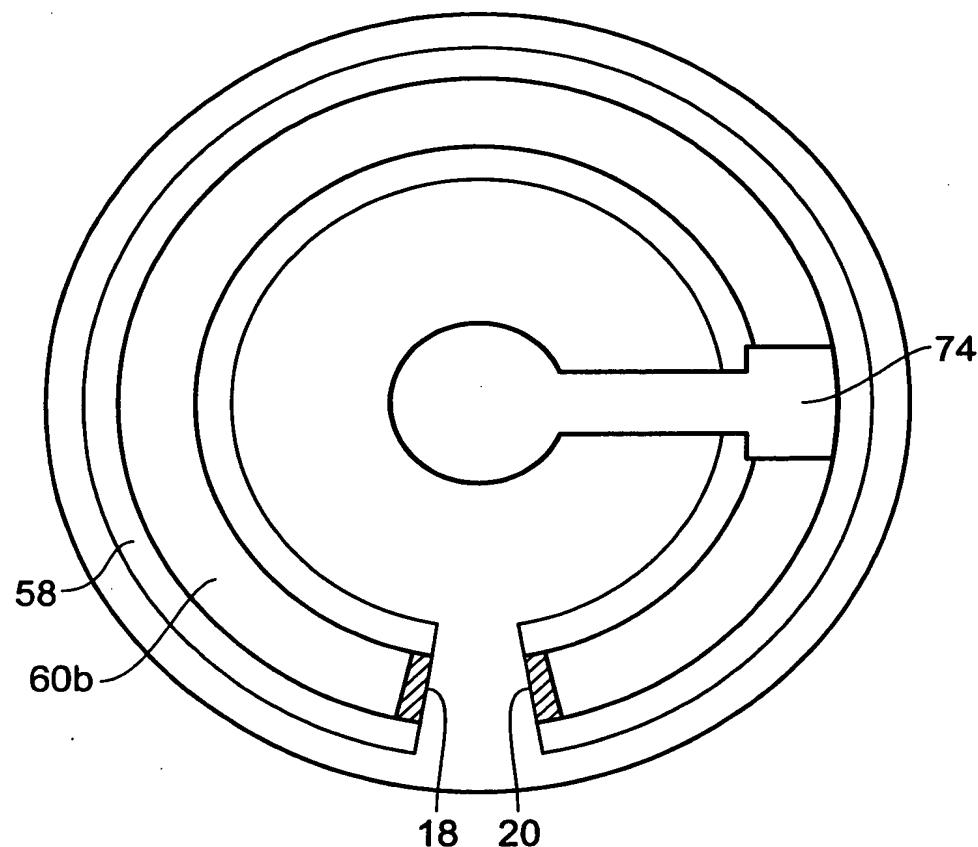


Fig. 10b

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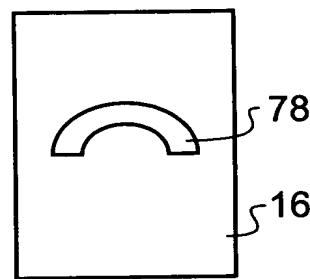


Fig. 11

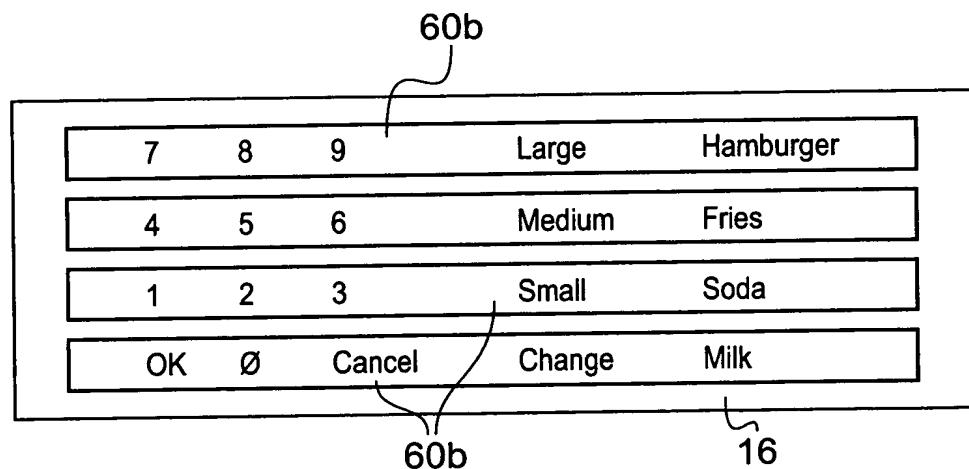


Fig. 12

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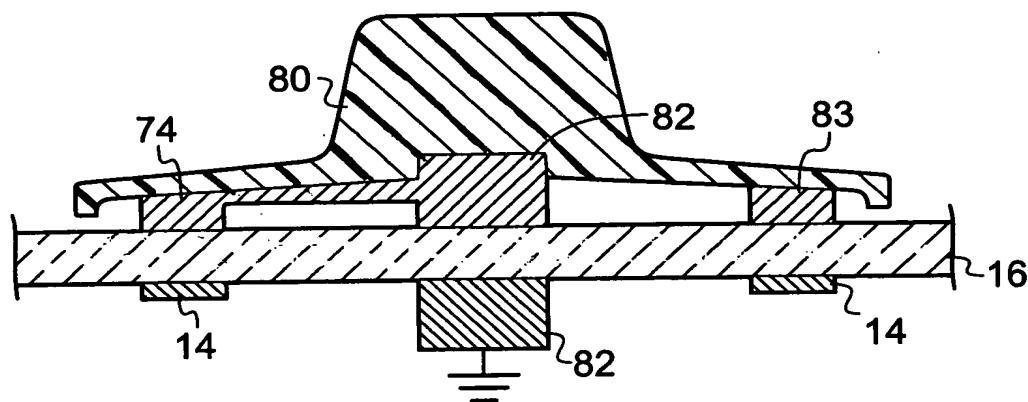


Fig. 13

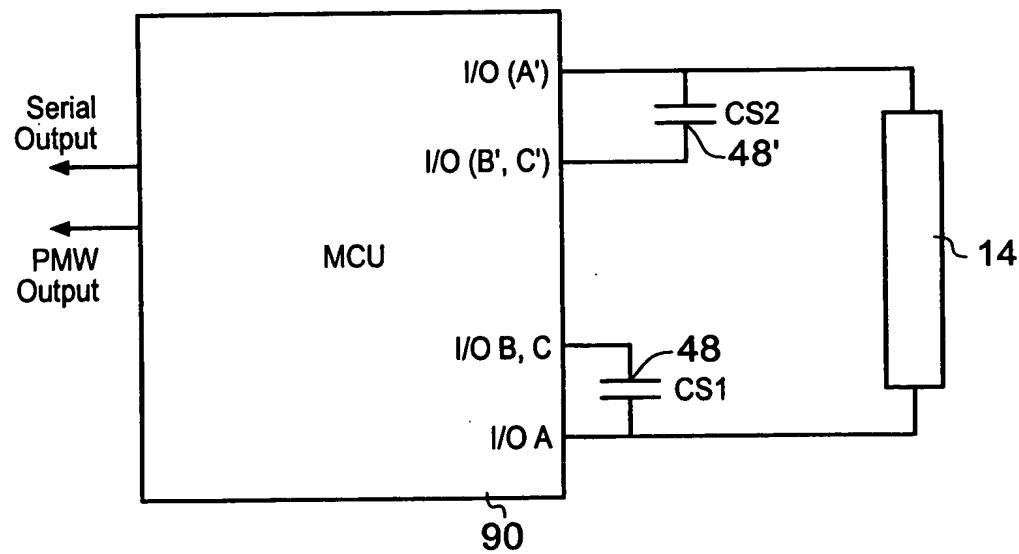


Fig. 14